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MAEDA RYOJI****(54) SELF-TEST CIRCUIT FOR PICTURE DISPLAY DEVICE****(57) Abstract:**

**PURPOSE:** To surely self-test a picture display device by providing a detecting circuit which detects whether an external input signal is present or not and a switch circuit which switches a horizontal deflecting flyback pulse signal of the picture display device as an artificial video signal at the time of detecting the absence of the input signal by the detecting circuit.

**CONSTITUTION:** It is detected by a detecting circuit 9 whether the input signal from an external signal source is present or not. A switch circuit 11 is provided which outputs the horizontal deflecting flyback pulse signal of the picture display device as the artificial video signal only when the no-input state of the input signal is detected by the circuit 9. A clamp pulse generating circuit 27 is provided to which a synchronizing signal related to the input signal is inputted and from which a clamp pulse signal is outputted, and the circuit 11 stops the output of the artificial video signal when the circuit 9 detects the external input signal. When the circuit 9 detects the signal no-input state. The artificial clamp pulse signal synchronized with the horizontal deflecting flyback pulse signal is outputted

from an artificial clamp pulse generating circuit 23, and the artificial video signal is subjected to clamp processing by the artificial clamp pulse signal.

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